

## COMPANY SPECS

Name: Team Screwdrivers  
College: SVKM'S NMIMS' MPSTME  
Origin: Mumbai, India  
Distance from Competition: 8697 miles

### TEAM

- |                       |                          |
|-----------------------|--------------------------|
| 1 Rishi Bafna*        | Chief Executive Officer  |
| 2 Vijayender Joshi    | Chief Technology Officer |
| 3 Ankit Sharma*       | Chief Financial Officer  |
| 4 Achal Desai         | Design & Fabrication     |
| 5 Amala Putrevu       | Electronics Expert       |
| 6 Sanjana Gupta       | Safety Officer           |
| 7 Alolika Biswas      | Fundraising              |
| 8 Rajas Jambekar      | Software Developer       |
| 9 Shalin Shah         | Logistics Manager        |
| 10 Aditya Mulgundkar  | Systems Engineer         |
| 11 Shambhavi Tripathi | Social Responsibility    |
| 12 Sarthak Agarwal    | Design & Fabrication     |
| 13 Mridul Sharma      | Buoyancy & Waterproofing |

Mentor: Prof. Sawankumar Naik



15<sup>th</sup> MATE ROV  
International Competition  
3<sup>rd</sup> year of participation

## ROV SPECS

Name: Spyder  
Construction: Aluminium, Acrylic  
Time spent on ROV: 750 hrs (approx.)  
Cost: \$1000 (estimated)

### Safety Features:

- ROV will return to surface on loss of power.
- Software-based kill switch to disable ROV.
- Topside circuit-breaker.

### Special Features:

- Pan/tilt camera to allow multi-angle view for pilot.
- Robotic arm with 2+3 DOF (Degrees of Freedom).
- Quick and easy assembly.

